

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/002507

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H01L 27/148, H01L 23/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC7 H01L, H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patents and applications for inventions since 1975
Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKIPASS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| Y | KR 2003-69321 A (CCUBE DIGITAL CORP., LTD) 27 AUGUST 2003 See the whole document | 1-54 |
| Y | WO 2000/22814 A (INTEL CORP.) 20 APRIL 2000 See the abstract, see page 5-7 | 1-54 |
| A | KR 2003-41735 A (CCUBE DIGITAL CORP., LTD) 27 MAY 2003 See the whole document | 1-54 |
| A | JP 2001-68654 A (SONY CORP.) 16 MARCH 2001 See the whole document | 1-54 |

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family


Date of the actual completion of the international search

13 JANUARY 2005 (13.01.2005)

Date of mailing of the international search report

14 JANUARY 2005 (14.01.2005)

Name and mailing address of the ISA/KR

 Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

HWANG, Yun Koo

Telephone No. 82-42-481-5741



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/002507

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| KR 2003-69321 A | 27.08.2003 | NONE | |
| WO 2000/22814 A | 20.04.2000 | AU1444900 A | 01.05.2000 |
| | | AU1744800 A | 12.07.2000 |
| | | EP1121799 A2 | 08.08.2001 |
| | | GB2359927 A | 05.09.2001 |
| | | GB2359927 B | 26.11.2003 |
| | | TW454411 B | 11.09.2001 |
| | | US6072232 A | 06.06.2000 |
| | | US6692993 B2 | 17.02.2004 |
| | | US2002125552 A1 | 12.09.2002 |
| | | US6753922 B1 | 22.06.2004 |
| | | US2004159902 A1 | 19.08.2004 |
| | | W00038230 A1 | 29.06.2000 |
| | | KR200180129 | 22.08.2001 |
| KR 2003-41735 A | 27.05.2003 | NONE | |
| JP 2001-68654 A | 16.03.2001 | NONE | |